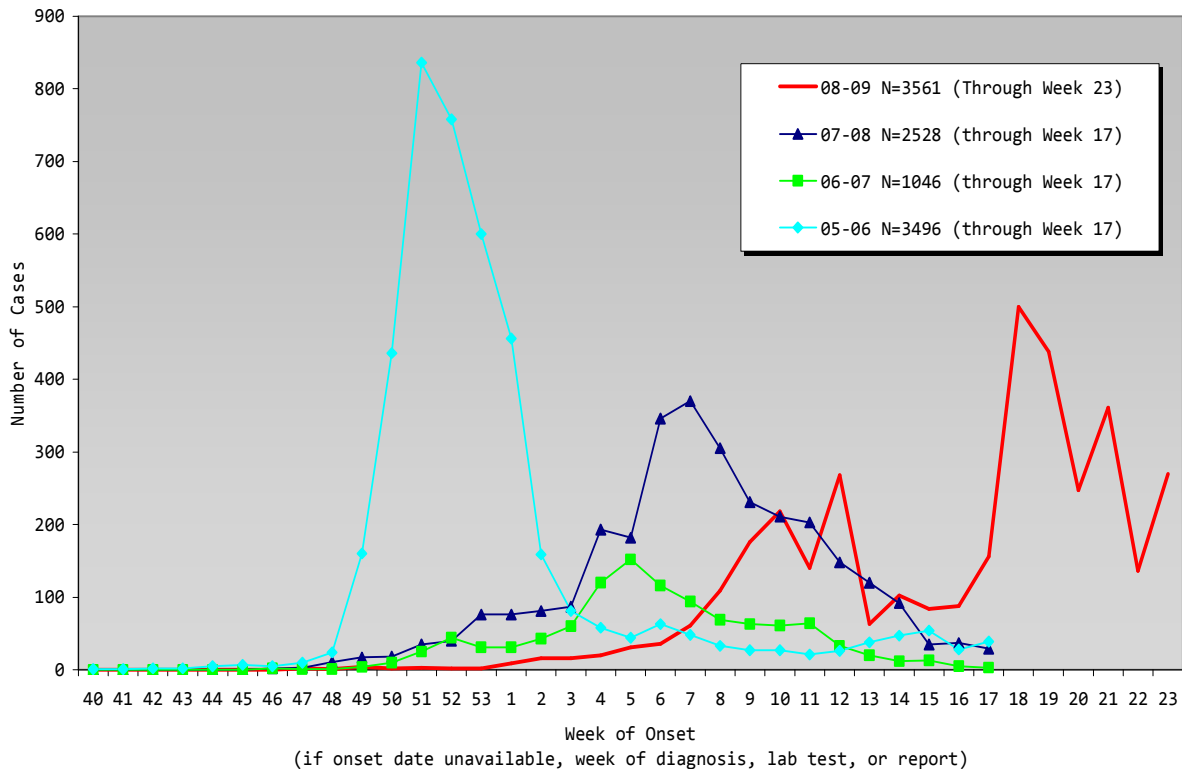
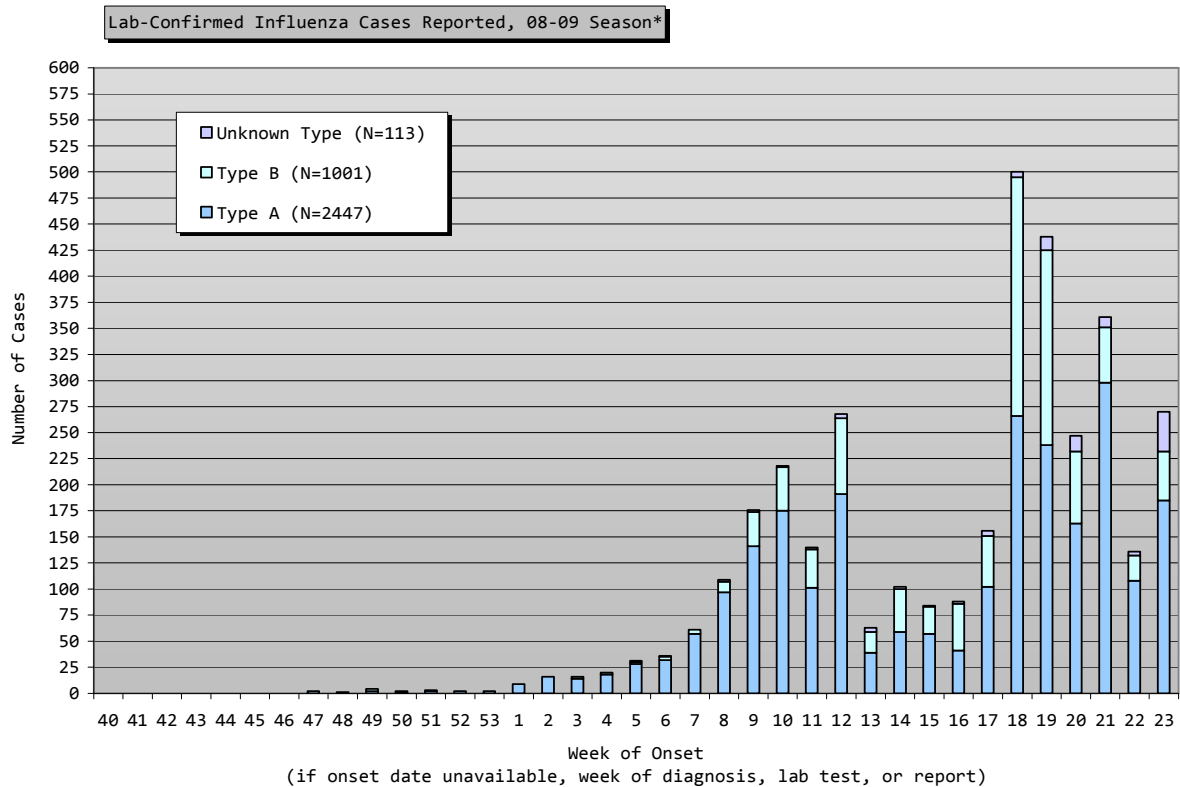


**MARICOPA COUNTY INFLUENZA SUMMARY UPDATE**  
**WEEK 23 (6/7/09-6/13/09)**

- **Lab Confirmed Influenza:** 3561 cases of influenza have been confirmed at the Arizona State Laboratory (Through week 23).
- **Pneumonia & Influenza Mortality:** 5.11% of all deaths were due to pneumonia or influenza (all of Maricopa County, Week 23) (MCDPH Office of Vital Statistics)
  - **Influenza Associated Deaths (IAD):** 13 influenza-related deaths have been reported through week 23. **(5 type-A, 2 type-B, 3 type-Unknown & 3 novel H1N1).**
  - **Pediatric IAD:** 3 of the 13 IAD were pediatric cases **(1 type A, 1 Type A/H1N1 & 1 type B).**
- **Influenza-Like Illness:**
  - **Cigna Health Centers (n=20):** 0.01% of visits due to ILI. (provisional data; subject to change as updated information becomes available)
  - **Hospital Emergency Departments (n=17):** 1.46% of visits due to ILI
- **Biosense:** (n=6) 0.15% of all visits were due to ILI.
- **Severe Illness or Death (Biosense);** (n=6) Slight increase in activity during week 23.
- **Respiratory Syndromes (Biosense):** (n=6) 12.28 % of all visits were due to a respiratory syndrome.

Lab-Confirmed Influenza Cases Reported:  
05-06 Season, 06-07 Season, 07-08 Season, 08-09 Season





### ***Pneumonia & Influenza Mortality Surveillance***

For Week 23 (6/7/09-6/13/09), the MCDPH Office of Vital Statistics reported that of all deaths, the percentage due to pneumonia or influenza was 4.22% for the City of Phoenix, 5.54% for Maricopa County less the City of Phoenix, and 5.11% for all of Maricopa County.

### **2008-2009, Age Distribution, Various Methods of Counting Seasonal Influenza-Associated Deaths**

2008-2009 Seasonal Influenza	A=Influenza on DC + testing			B=Influenza on DC, no testing or unknown testing			C=No influenza but respiratory COD on DC + testing			D=Influenza on DC + negative culture			TOTALS		
Influenza Type	A	B	Unk	A	B	Unk	A	B	Unk	A	B	Unk	A	B	Unk
Under 5	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
5-19	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
20-64	1	1	0	1	0	1	0	0	0	2	0	0	4	1	1
65 and older	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
<b>TOTAL</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>3</b>

### **2008-2009, Age Distribution, Various Methods of Counting Novel H1N1 Influenza-Associated Deaths**

2008-2009 Novel H1N1 Strain	A=Influenza on DC + testing	B=Influenza on DC, no testing or unknown testing	C=No influenza but respiratory COD on DC + testing	D=Influenza on DC + negative culture	TOTALS
<b>Age Group</b>	<b>All Novel H1N1 Strains are Type A influenza.</b>				
Under 5	1	0	0	0	1
5-19	0	0	0	0	0
20-64	2	0	0	0	2
65 and older	0	0	0	0	0
<b>TOTAL</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>

**2008-2009, Confirmed Seasonal and Novel H1N1 Influenza-Associated Deaths by serotype.**

Type	Seasonal Influenza*	Novel H1N1	Total
A	2	3	5
B	2		2
Unk	2		2
<b>Total</b>	<b>6</b>	<b>3</b>	<b>9</b>

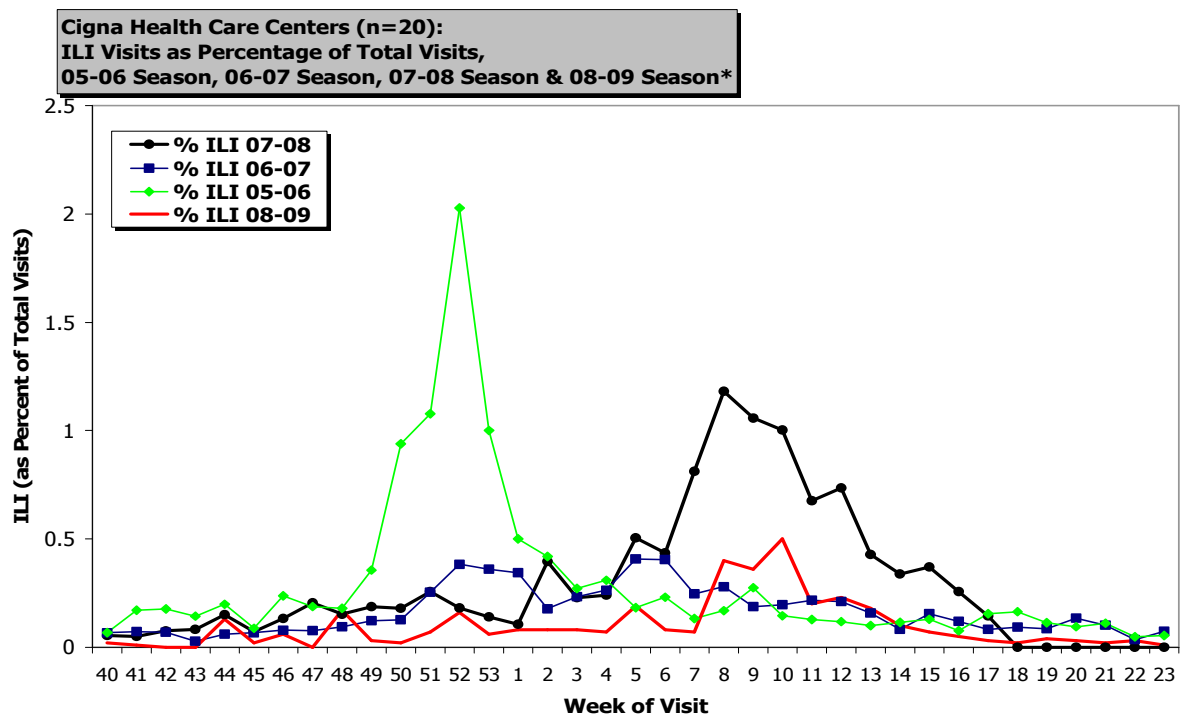
\*Confirmed IAD include cases with Influenza or Respiratory causes of death + positive testing or unknown testing.

**Influenza-Like Illness (ILI)\* Surveillance**

\*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.

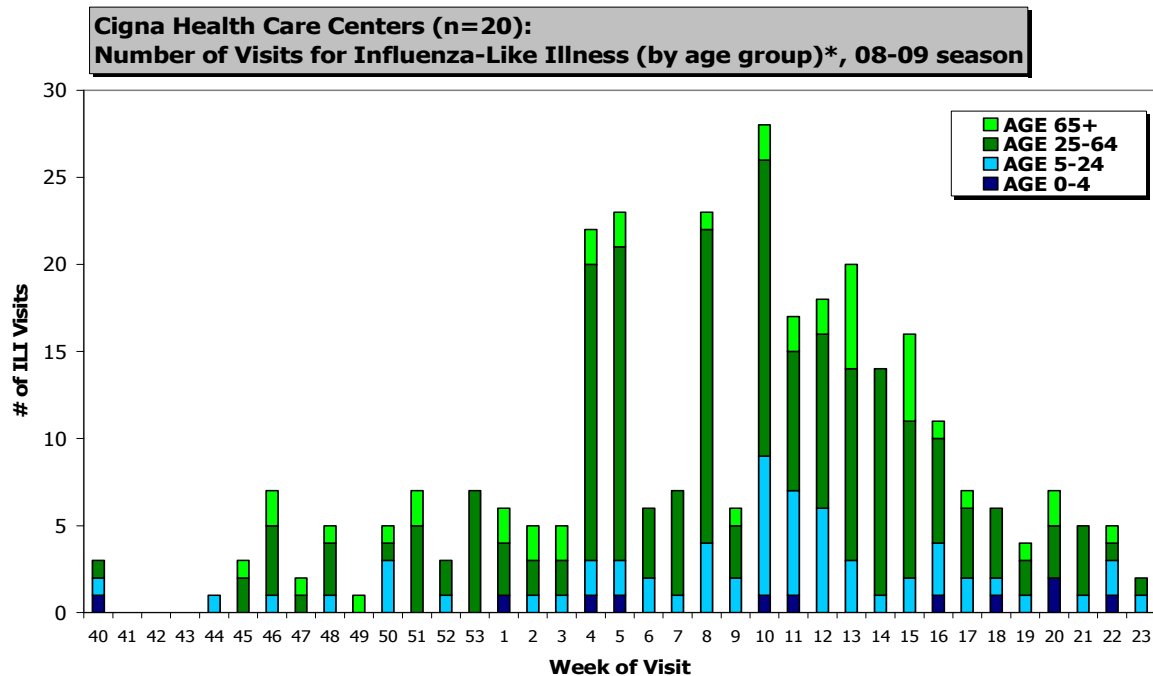
- During Week 23, 0.01% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 23 of the two previous seasons, 0.00% (07-08) and 0.07% (06-07) of patient visits to Cigna Health Care Centers were due to ILI. (\*Provisional data; may change in subsequent reports as updated information becomes available.)
- The percentage of ER visits for ILI (data from 17 hospitals) was 1.46% for Week 23.

**Influenza-Like Illness (ILI)\* Surveillance**

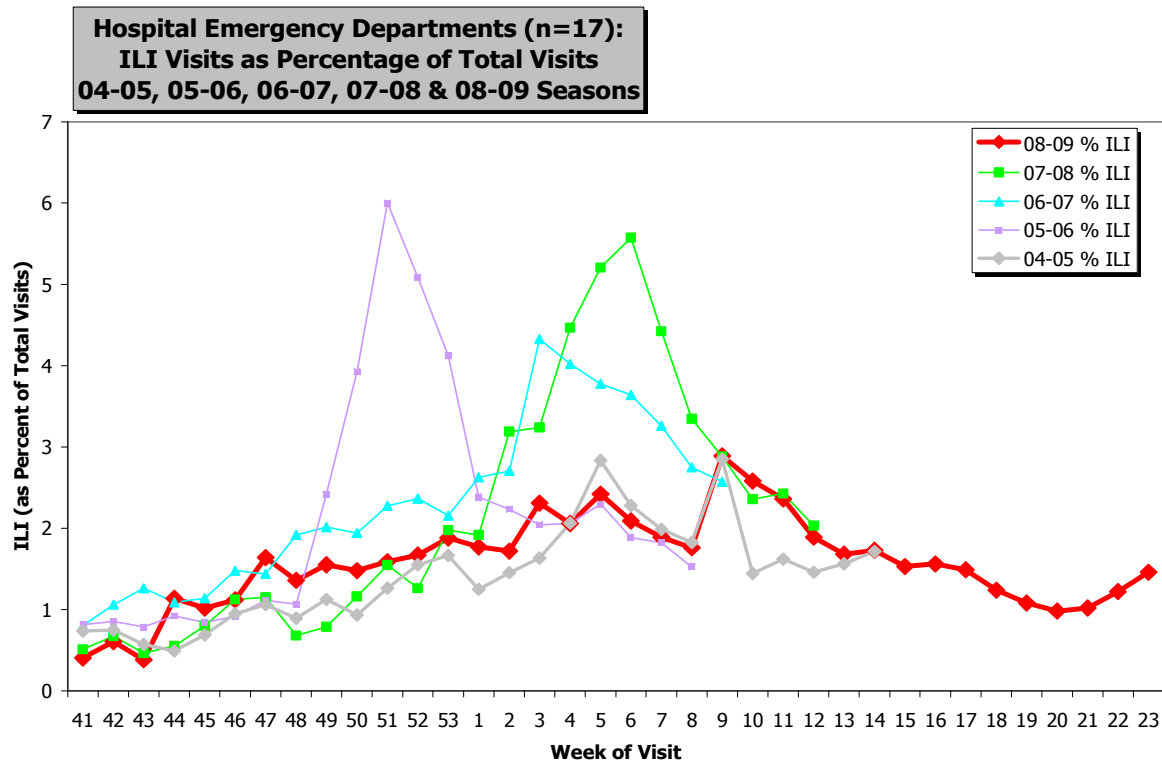


\*Data for Weeks 20-23 of the 08-09 season is provisional and may change in subsequent reports as updated information becomes available.

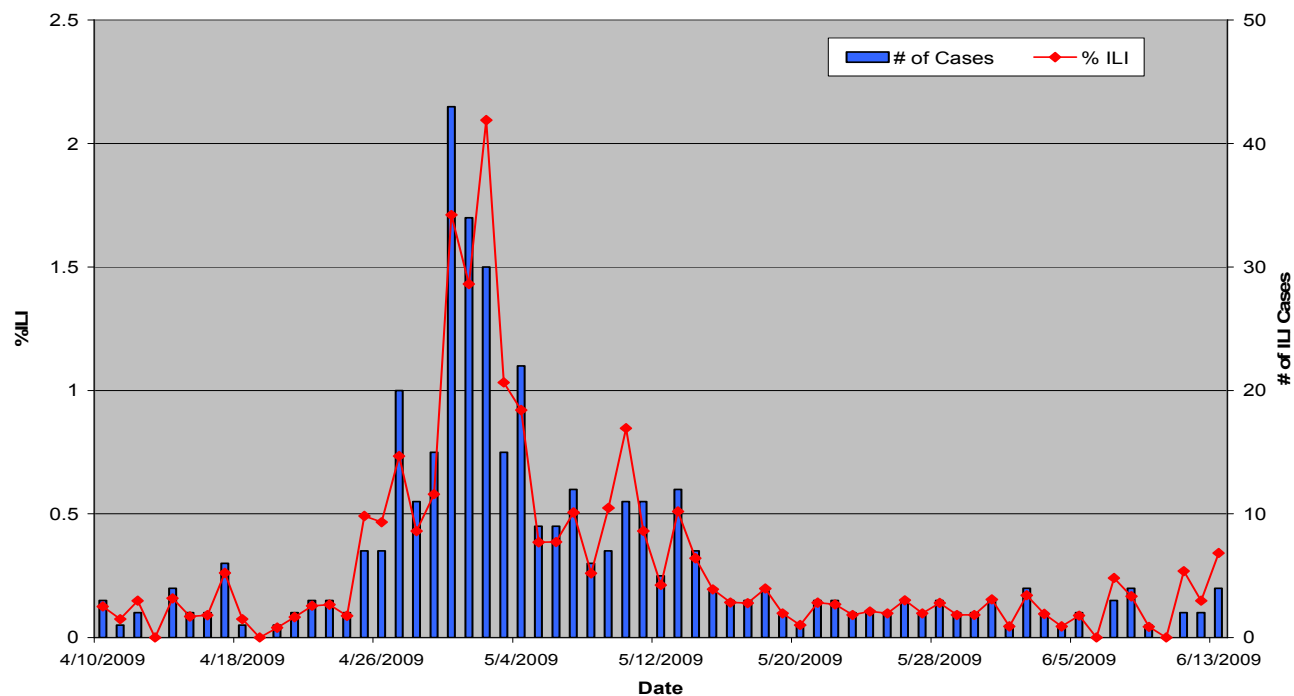
## Influenza-Like Illness (ILI)\* Surveillance



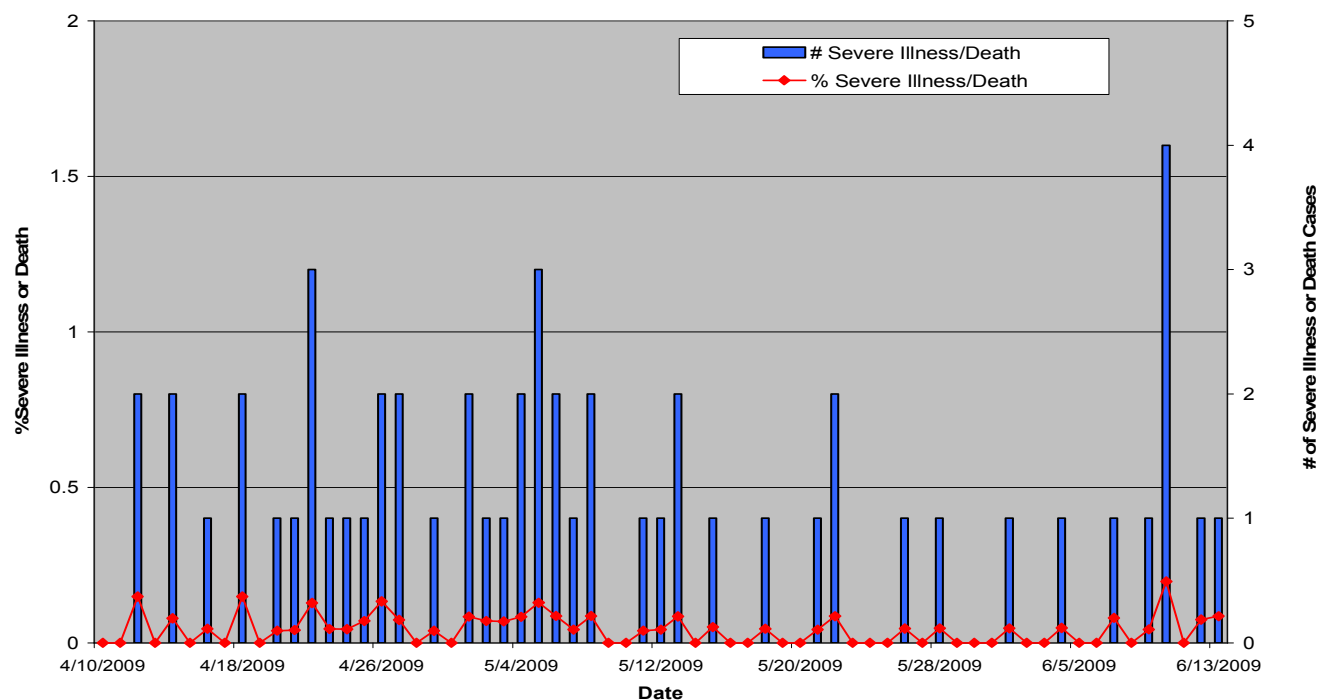
\*Data for Weeks 20-23 of the 08-09 season is provisional and may change in subsequent reports as updated information becomes available.



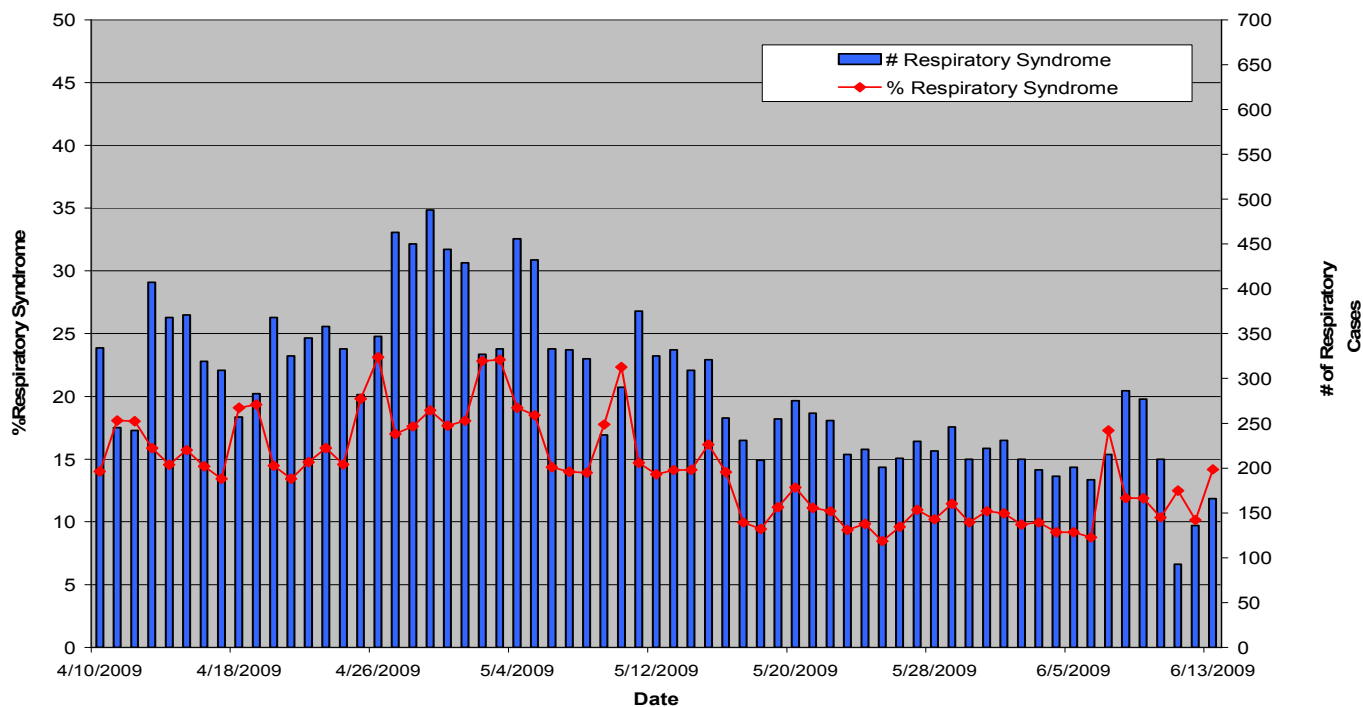
**All Biosense Facilities- Daily ILI Surveillance  
(n=6 facilities)**



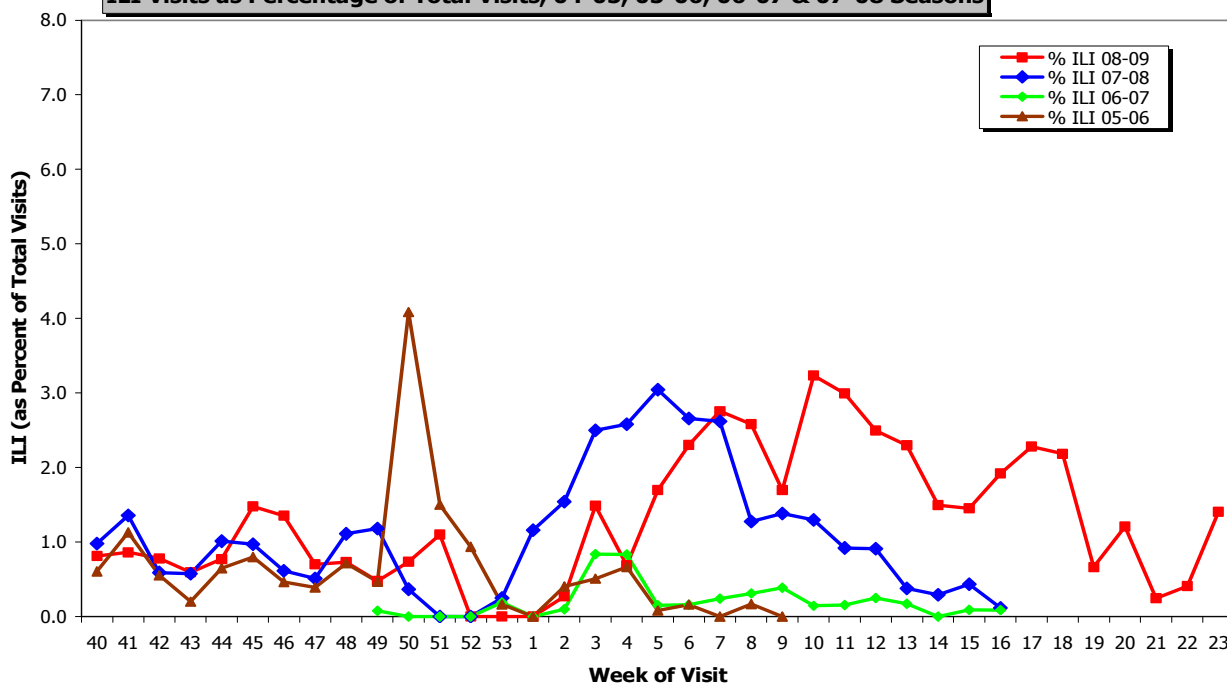
**All Biosense Facilities Daily Syndrome Surveillance: Severe Illness or Deaths  
(n=6 facilities)**



### All Biosense Facilities Daily Syndrome Surveillance: Respiratory (n=6 facilities)



### ASU Student Health: ILI Visits as Percentage of Total Visits, 04-05, 05-06, 06-07 & 07-08 Seasons



***Influenza Activity outside Maricopa County***

Information on influenza activity outside Maricopa County is available at these sites:

- [http://azdhs.gov/phs/oids/epi/flu/az\\_flu\\_surv.htm](http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm) (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

*Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.*

*Please email any questions about this report to: [dereksteinke@mail.maricopa.gov](mailto:dereksteinke@mail.maricopa.gov) .  
Report generated: 6/19/09.*

***Influenza Surveillance Participants include:***

Arizona Department of Health Services

Cigna Health Care Centers

Arizona State University Campus Health Services

Hospital Emergency Departments & Infection Control Practitioners

- Banner Baywood Hospital
- Banner Desert Hospital
- Banner Estrella Hospital
- Banner Gateway Hospital
- Banner Good Samaritan
- Banner Del E. Webb Hospital
- Arrowhead Hospital
- Carl T. Hayden VA Medical Center
- John C Lincoln North Mountain
- Mayo Hospital
- MMC
- St. Josephs Hospital
- St. Luke's Hospital
- Tempe St. Luke's
- Scottsdale Healthcare Shea
- Scottsdale Healthcare Osborne
- Scottsdale Healthcare Thompson Peak
- Wickenburg Community Hospital

